IN THE CLAIMS

Please amend the claims as follows:

	1. (Currently Amended) Audio An audio enhancement system (1),
	comprising:
	audio signal (z, y, r) inputs for a distorted desired
	signal $\frac{\langle x, x \rangle}{}$ and at least a reference signal $\frac{\langle y \rangle}{}$ and
5	a spectral processor $\frac{(PP)}{}$ coupled to the audio signal $\frac{PP}{}$
	$rac{y_7-r}{}$ inputs for processing the distorted desired signal <u>in order</u>
	to provide just the desired signal, said spectral processor
	$\frac{using(z, r)}{by}$ means of the at least one reference signal $\frac{(y)}{b}$
	$\frac{\text{acting}}{\text{acting}}$ as an estimate for the distortion of the desired signal $\frac{\sqrt{x}}{\sqrt{x}}$
10	r), characterized in that the spectral processor $rac{(PP)}{r}$ is arranged
	for modifying said processingprocesses said distorted desired
	<u>signal in</u> such <u>a way</u> that the estimate for the distortion is a
!	function of A times the spectral power of the at least one
	reference signal—(y), where A is a ratio between the time averaged
15	spectral power of the distortion of the desired signal and the time
	averaged spectral power of the at least one reference signal $\langle y \rangle$.

2. (Currently Amended) Audio The audio enhancement system (1)according to as claimed in claim 1, characterized in that the estimate for the distortion is at least partly proportional to A times the spectral power of the $\frac{a}{a}$ least one reference signal

- 3. (Currently Amended) Audio The audio enhancement system (1) according to as claimed in claim 1, characterized in that the estimate for the distortion at least partly depends on the signal to noise ratio of the distorted desired signal (x, x).
- 4. (Currently Amended)

 Audio The audio enhancement system (1)

 according to as claimed in claim 1, characterized in that the

 respective spectral powers are defined by some a positive function

 of the spectral power concerned, such assaid positive function

 being one of the spectral magnitude, the squared spectral

 magnitude, the power spectral density or the Mel-scale smoothed

 spectral density.
- 5. (Currently Amended)

 Audio The audio enhancement system (1)

 according to as claimed in claim 1, characterized in that the ratio

 A is calculated based on data acquired during absence of the desired signal.
- 6. (Currently Amended) Audio The audio enhancement system (1) according to as claimed in claim 5, characterized in that the speech enhancement system (1) further comprises a speech activity detector (DET), which is coupled to the spectral processor (PP).
- 7. (Currently Amended) Audio The audio enhancement system (1) according to as claimed in claim 1, characterized in that the audio

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enhancement system (1) further comprises adaptive microphone filter means (3) coupled to the spectral processor (PP).

- 8. (Currently Amended)

 Audio The audio enhancement system (1)

 according to as claimed in claim 1, characterized in that the audio
 enhancement system (1) further comprises one or more loudspeakers

 (6) and echo cancelling filter means (7) coupled between the at

 least one loudspeaker (6) or more loudspeakers and the spectral

 processor (PP).
- (Currently Amended) System, in particular as communication system, for example a hands free communication device, such as a mobile telephone, or a voice controlled system, which system is provided with an audio enhancement system (1), the audio enhancement system (1) comprising: ____audio signal (x, x, y) inputs for a distorted desired signal (x, x) and at least a reference signal (y), and ____a spectral processor (PP) coupled to the audio signal (x, x, y inputs for processing the distorted desired signal <u>in order</u> to provide just the desired signal, said spectral processor using (z, r) by means of the at least one reference signal (y) acting as an estimate for the distortion of the desired signal, characterized in that the spectral processor (PP) is arranged for modifying said processingprocesses said distorted desired signal in such a way that the estimate for the distortion is a function of A times the spectral power of the at least one reference signal (y),

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where A is a ratio between the time averaged spectral power of the distortion of the desired signal and the time averaged spectral power of the at least one reference signal $\langle y \rangle$.

	10. (Currently Amended) A method for enhancing a distorted
	desired signal (z, r) in order to provide just the desired signal,
	said method comprising the steps of:
	receiving a distorted desired signal and at least one
5	reference signal; and
	which signal is spectrally processed, processing the
	<u>distorted desired signal</u> whereby the at least one reference signal
	(y)—acts as an estimate for the distortion of the desired signal,
	characterized in that the spectral processing is performed such
10	that the estimate for the distortion depends on A times the
	spectral power of the at least one reference signal \longleftrightarrow , where A is
	the ratio between the time averaged spectral power of the
	distortion of the desired signal and the time averaged spectral
	power of the at least one reference signal (y).